CLAIMS:

- A composition comprising (i) chitosan, a salt or derivative thereof or a salt of a derivative thereof, (ii) a polyol-phosphate or sugar-phosphate salt, (iii) a plasticizer, and (iv) a therapeutic agent.
- A composition according to claim 1 in the form of an aqueous solution or suspension.
- 10 3. A composition according to claim 1 or 2, which forms a gel at a temperature 30 °C or greater.
 - A composition according to claim 3, which forms a gel in 15 minutes or less at a temperature of from 30 to 40 °C.

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- A composition according to claim 4, which forms a gel in 15 minutes or less at a temperature of from 35 to 37 °C.
- A composition according to any one of the preceding claims, wherein
 the plasticizer is triethyl citrate.
 - A composition as claimed in any one of the preceding claims, wherein
 the chitosan, salt or derivative thereof or salt of a derivative thereof
 has a molecular weight of 4000 Dalton or greater.

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 A composition according to claim 7, wherein the chitosan, salt or derivative thereof or salt of a derivative thereof, has a molecular weight of from 50,000 to 300,000 Dalton.

- 9. A composition according to any one of the preceding claims, comprising chitosan base or a chitosan derivative that has been formed by bonding of acyl or alkyl groups with the hydroxyl groups of the chitosan or a nitrate, phosphate, sulphate, citrate, hydrochloride, glutamate, lactate or acetate salt of chitosan.
- 10. A composition according to any one of the preceding claims, wherein the chitosan has a degree of deacetylation of 40 % or greater.
- 10 11. A composition according to claim 12, wherein the degree of deacetylation is from 70 to 90 %.
 - 12. A composition according to any of the preceding claims comprising from 0.25 to 3.0 % w/v of chitosan, a salt or a derivative thereof or a salt of a derivative thereof expressed as chitosan base.
 - 13. A composition according to claim 12 comprising from 0.45 to 1.5 %w/v of chitosan, a salt or a derivative thereof or a salt of a derivative thereof expressed as chitosan base.

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- 14. A composition according to any one of the preceding claims, wherein the therapeutic agent is present in solution or as a suspension.
- A composition according to any one of the preceding claims, wherein the polyol-phosphate salt is β-glycerophosphate disodium.

- 16. A composition according to any one of the preceding claims, wherein the polyol-phosphate or sugar-phosphate salt is present in an amount of from 0.25 to 3.0 % w/v.
- A composition according to claim 16, wherein the polyol-phosphate or sugar-phosphate salt is present in an amount of from 0.75 to 2.0 % w/v.
 - A composition according to any one of the preceding claims comprising from 0.05 to 5.0 % w/v of the plasticizer.
 - A composition as claimed in Claim 18 comprising from 0.2 to 1.0 % w/v of the plasticizer.
- 15 20. A composition according to any of the preceding claims additionally comprising ascorbic acid.
 - A composition according to claim 20 comprising from 0.01 to 0.2 % w/v ascorbic acid.

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- 22. A composition according to any one of the preceding claims, wherein the therapeutic agent is a polar drug, a polypeptide, a gene or a gene construct.
- 25 23. A composition according to claim 22, wherein the therapeutic agent is insulin, calcitonin, leuprolide, luteinising hormone releasing hormone, growth hormone or a growth hormone releasing factor, naratriptan, sumatriptan, zolmitriptan, rizatriptan, eletriptan, frovatriptan, alnitidan, avitriptan, almotriptan, apomorphine, sildenafil, alprostadil,

diamorphine, hydromorphone, buprenorphine, fentanyl, oxycodone, codeine, morphine or morphine-6-glucuronide.

- 24. A drug delivery device suitable for delivery of a composition via one or more of the nasal, vaginal, rectal, oral mucosal, ophthalmic or ocular routes or a dose cartridge for use with such a device loaded with a composition as defined in any one of the preceding claims.
- 25. A process for the preparation of the composition as defined in any one of claims 1 to 23, which process comprises mixing a solution comprising chitosan or a salt or derivative thereof or a salt of a derivative thereof with a solution comprising a polyol-phosphate or sugar-phosphate salt.
- 15 26. The use of the combination of chitosan or a salt or derivative thereof or the salt of a derivative thereof, a polyol-phosphate or sugarphosphate salt and a plasticizer in the manufacture of a medicament for use in the transport of a therapeutic agent across a mucosal surface in an animal.

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27. The use of the combination of chitosan or a salt or derivative thereof or the salt of a derivative thereof, a polyol-phosphate or sugarphosphate salt and a plasticizer in the manufacture of a medicament for nasal, vaginal, rectal, oral mucosal, ophthalmic or ocular delivery.

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28. The use of a composition as defined in any one of claims 1 to 23 in the manufacture of a medicament for use in the transport of a therapeutic agent across a mucosal surface in an animal.

- 29. The use of a composition as defined in any one of claims 1 to 23 in the manufacture of a medicament for nasal, vaginal, rectal, oral mucosal, ophthalmic or ocular delivery.
- 5 30. The use according to any one of claims 26 to 29, wherein the medicament is intended for local action.
 - The use according to any one of claims 26 to 29, wherein the medicament is intended for systemic action.
 - 32. The use of a composition as defined in any one of claims 1 to 23 in the administration of a therapeutic agent for transport thereof across a mucosal surface in an animal.

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- 15 33. The use of a composition as defined in any one of claims 1 to 23 in nasal, vaginal, rectal, oral mucosal, ophthalmic or ocular delivery of a therapeutic agent to an animal.
 - The use according to claim 32 or 33, wherein the therapeutic agent is intended for local action.
 - The use according to claim 32 or 33, wherein the therapeutic agent is intended for systemic action.